Work Orde		932		*919	732*						Page 1
Revision ID:	D3943-051 Handle Assem	nbly		Accept	*N900040100			<b>)*</b> s	Setup Star	IA	S1* S2*
Start Date: Required Date: Reference:	10/15/12 11/09/12	Start Qty: 6.00 Req'd Qty: 6.00	*6* *6*		Cust Item I Customer:	( <b>D:</b>					
Approvals:	Process Pla	in: <u>4</u> .5				ate:		R	tun Stai Sto	" <b>[\]</b>	R1* R2*
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr		The second secon							
D3943	Е										
100		Weld per dwg A/R Sto	eel rod Batch: M 1005	76 0.00			•				
*100* Large Fab		Memo Assemble	with handle as per dwg	0.00				6	A	13-4	/- 9
110		QC5- Inspect part com	pleteness to step on W/O	0.00							040
*110* QC Quality Control		Memo		0.00				_\$_	13-01	1-09	0As - <b>09</b>
٠.							,				
*120		QC9- Inspect visual pe	r QSI004- Fusion Welds	0.00				B	12 01		0AS 09
QC QC		Memo		0.00				<u>(b)</u>	13-04	1-05	<u> </u>

Memo

Quality Control

	DQA:	Date:	
 MODE ODDED NON CONFORMANCE / HDDATE			

NCR:	Yes	/ No				WORK ORDER NON-	-COr	NFOR	MANCE / UP	DATE	QA Closed:	Dațe	: :	
Work Ord	or:					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS		
Work Orde Part I	-					Rework Scrap	$\exists \mid$		Skid-tube Machining	Crosstube Small Fab	Pro	Water Jet d. Eng. Coor.	Engineering Quality	
NCR 1	-					Use-as-is Work Order Update	Use-as-is Thermoforming Finishing			Finishing Composite	Rec/Store/Packaging Other			
Root Des Cause Date Step Qty				ption of work order update		Initial	1	tion	Sign &					
Cause				(	or Non-conformance	<u> </u> Ch	nief Eng	Desc	cription	Date	Verification	QC Inspector		
Doc/Data	Щ													
Equip/Tooling	Ш													
Operator	Щ		,				İ							
Material	Щ						ŀ							
Setup		-												
Other														
Process	Ш													
Supplier	Щ		[											
Training	Ш													
Unapproved			İ								<u> </u>			
							FAUL	LT CATE	GORY					
Landi					<del></del>	General	_	1			٦	_	<b>_</b>	
	-	Bending				Bend	<u> </u>	Grain		1	Ovalized	<b>-</b>	Pressure/Forced	
***		Centre No	ot Concer	ntric to	o/s	BOM/Route	<u> </u>	Hardwa		<u> </u>	Over/Under	<del> </del>	Temperature/Cure	
\$5 #\$		Cracks				Broken/Damaged	<u> </u>	<b>-</b> 1	ion Incomplete		Part Incorre	<b>⊢</b>	Weld	
	-	Crushed/	Crimped.			Burrs	L	-1	tions Incomplete/	<sup>/</sup> Unclear	Part Lost/M	issing	Wrong Stock Pulled	
ĺ	-	Cuffs			ļ	Contamination		Mainte			Part Moved			
		Heat Trea	it			Countersink	$\vdash$	Mislabe	eled		Positioned \		<b>-</b>	
		Inspection		Tube		Cut Too Short	$\perp$	Misread	d		Power Loss/Surge Other			
. '	Ш	Ripples in	Bend		· _	Drill Holes	L	Offset			<del> </del>			
	Ripples in Bend Torque Waves in Extrusion			xtrusio	n	Drawing	1	Out of	Calibration					

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

\*150\* Packaging

Packaging

Memo

									DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-	CONFORM	MANCE / UP		QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
WOIR Older.					Rework Skid-tube			Crosstube		Water Jet	Engineering
Part No.				Scrap	Machining Small Fab				d. Eng. Coor.	Quality	
NCR No			Use-as-is Work Order Update	- 1	Thermoforming Finishing Large Fab Composite			re/Packaging Supplier	Other		
Root				Descr	iption of work order update	Initial	Ad	ction	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling	]										
Operator											
Material											•
Setup											
Other											
Process											
Supplier											
Training	7										

**FAULT CATEGORY** 

Grain

Hardware

Maintenance

Out of Calibration

Out of Sequence

**Outside Dimensions** 

Mislabeled

Misread

Offset

Inspection Incomplete

Instructions Incomplete/Unclear

Pressure/Forced

Weld

Other

Temperature/Cure

Wrong Stock Pulled

Ovalized

Part Incorrect

Part Moved
Positioned Wrong

Part Lost/Missing

Power Loss/Surge

Over/Under tolerance

General

Bend

Burrs

BOM/Route

Contamination

Countersink

Cut Too Short Drill Holes

Drawing

Finish Folio

Broken/Damaged

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Unapproved

**Landing Gear** 

Bending

Cracks

Cuffs

Heat Treat

Crushed/Crimped.

Inspection Strip in Tube

Torque Waves in Extrusion

Centre Not Concentric to O/S

Work Order ID 91932 \*91932\* Page 3 October-19-12 2:34:21 PM Accept Item ID: D3943-051 \*N900040100\* Setup Start **Revision ID:** Item Name: Handle Assembly Start Qty: 6.00 **Start Date:** 10/15/12 **Cust Item ID:** Required Date: 11/09/12 **Req'd Qty:** 6.00 **Customer:** Reference: Run Date: Tooling: Approvals: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Tool ID Operation Set Up/ Tool # Plan Accept Reject Reject Insp. **Work Center ID** Qty Qty Description Code Number Stamp **Run Hours** 160 QC21- Final Inspection - Work Order Release 0.00 \*160\*

0.00

Memo

Quality Control

NBOH-1

		•	DQA:	Date:	
NCR: Yes / No	WORK ORDER NON-CONFORMANCE / UPDATE		<del></del>	<del></del>	
*			O A Ct I.	D-4	

							QA Closed:	Date:			
Work Orde	er:				DISPOSITION			AGAINST DE	PARTMENT,	/PROCESS	ζ.
					Rework	1	Skid-tube	Crosstube		Water Jet	Engineering
Part N	lo.				Scrap		Machining Small Fab			d. Eng. Coor.	Quality
					Use-as-is	The	rmoforming	Finishing	4	re/Packaging	Other
NCR N	lo.				Work Order Update	1 1	Large Fab	Composite		Supplier	1
					_	' ]	О Ц	'	i		
Root				Descri	ption of work order update	Initial	Ad	ction	Sign &		
Cause	Date	Step	Qty	,	or Non-conformance	Chief Er	g Desc	cription	Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling	,	ļ									
Operator											
Material											1
Setup											
Other											
Process											
Supplier						j					
Training										·	
Unapproved											
					F	AULT CAT	EGORY			,	
Landir	ng Gear				General				_		_
	Bending				Bend	Grain	1	L	Ovalized		Pressure/Forced
	Centre No	ot Conce	ntric to	o/s	BOM/Route	Hard	ware		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Inspe	ction Incomplete		Part Incorre	ct	Weld
[	Crushed/	Crimped.			Burrs	Instru	ictions Incomplete,	/Unclear	Part Lost/M	issing	Wrong Stock Pulled
:	Cuffs				Contamination	Mair	itenance		Part Moved		•
	Heat Trea	ıt			Countersink	Misla	beled		Positioned V	Vrong	
	Inspection	n Strip in	Tube		Cut Too Short	Misre	ead		Power Loss/	Surge	Other
	Ripples in Bend				Drill Holes	Offse	t				
,	Torque Waves in Extrusion			n	Drawing	Out o	f Calibration			-	
	Turning Sequence				Finish	Out o	of Sequence				
Ī	Wave/Twist in Tube				Folio	Outside Dimensions					

Page 1

Work Order ID:

91932

Parent Item:

D3943-051

Parent Item Name:

`.Handle Assembly

**Start Date:** 10/15/12

Required Date: 11/09/12

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP RevA: add DEO DD 09.11.18 verified by:JLM IPP Rev:B as per dwg REV.C DD 10.02.22 verified by:EC IPP REV:C 11.08.16 AS PER REV.E DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty _ Issued	Date Issued	Status
D3943-5		Manufactured	No			100	Each	9.0000	· 1	<u>~ 6.</u>			
Plate								·,	·	E7 1	3 - 4-5	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
		*		Location		Loc Qty	<u>Lo</u>	c Code					
		7323	3×6		062 390	9 4 5			<u></u>				
<b>D3943-</b> 7 Stud		Manufactured	No			100	Each	23.0000	. 2	CZ 12	3-4-8	/	
				<b>Location</b>		Loc Qty	<u>Lo</u>	c Code					
				ST075		19							
				529		1							
				858	354	18			<del></del>				
				WA030		4							
				690	044	4					•		

9/8/9 x 12

		DQA:	Date:	
MCR: Ves / No	WORK ORDER NON-CONFORMANCE / UPDATE			

											QA Closed:	Date:	-
Work Orde	or.				. <del>.</del>	DISPOSITION		:		AGAINST DE	PARTMENT	PROCESS	
Part N	No.					Rework Scrap Use-as-is Work Order Update		Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing  Large Fab Composite			1	Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		Initial Action		tion	Sign &		
Cause		Date	Step	Qty	,	or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator			}										
Material													
Setup									3				
Other										-			
Process													
Supplier													
Training		:											
Unapproved													
							AUL	T CATE	GORY				
Landi	ng G	Gear				General	_			_	•	_	<del>-</del>
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	are		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspect	ion Incomplete		Part Incorred	ct	Weld
		Crushed/	Crimped.			Burrs		Instruct	tions Incomplete/	/Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	enance		Part Moved		
		Heat Trea	at			Countersink	L	Mislabe	eled		Positioned V		_
	_	Inspection		Tube		Cut Too Short		Misrea	d		Power Loss/	Surge	Other
		Ripples in	Bend			Drill Holes		Offset					
		Torque W			n	Drawing		4	Calibration				
	Turning Sequence		Finish		Out of	Sequence							
		Wave/Twist in Tube			Folio		Outside	Dimensions					

•	ITEM	QTY	QTY	QTY	PART NUMBER	DESCRIPTION 5	PREFERED SUPPLIER	<del>`</del>	3		2				٦
	No.	-041 X	-051	-053	D3943-041		THE ENED SOFFEICH								I
	5	1	х		D3943-041 D3943-051	GROUND HANDLING CRANK ASSEMBLY									١
	6	1	<del></del>	X	D3943-053	HANDLE ASSEMBLY		4							1
				<del>  ^</del>	D3943-033	CHAIN ASSEMBLY		4							۱
D	11		1	<del> </del>	D3943-1	HANDLE	A	4							١
_	12	1	<del>                                     </del>		D3943-3	HANDLE EXTENSION	M/F HANDLE FROM DIS-ASSEMBLED ITEM 39	1			SHOP COPY				ı
	13		1		D3943-5	PLATE		₽ZĘ\							ı
	14		2		D3943-7	STUD		4			RETURN TO				l
	15	<del></del>	<del></del>	1	D3943-9	CHAIN	USE CHAIN SUPPLIED WITH ITEM 39	F			ENGINEERING				ı
	16			1	D4405-1	EYE AND FORK SWIVEL	USE CHAIN SOFFLIED WITH HEW 39	┨		UNCO	NTROLLED C	OPY			١
						ETE MINOT OTHER DESIGNATION OF THE PROPERTY OF		-							ı
_	21	1		<u> </u>	D2690-4	LANYARD		1			CT TO AMENDMI				ŀ
	22	1			D3585-1	SET SCREW		1			ITHOUT NOTICE				l
	23	1			D3949-041	REMOVE BEFORE FLIGHT FLAG		1		<i>Y</i> .	ORK ORDER 91932 12				١
	24			1	D3954-5	CHAIN LUG		1		MO	91932	_ M L :	>		ı
	25	1			D3954-7	RATCHET LUG	-	1		13()			- 2		ı
	26			_ 1	D3954-9	GWT CHAIN PIN		1			17.	-10-	16	•	l
С								1			10				l
	31	1			AN5-11A	BOLT		1							ı
	32	11			AN960-516	WASHER		1							ı
	33	1			MS21042L5	NUT		1							ı
	i							1							1
	39	1			8143919	LEVER CHAIN HOIST (POWER FIST)	PRINCESS AUTO / 4000 lbs CAPACITY	1							ı
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	51	1			S-1475	SPRING	REID SUPPLY	]				m km 274 Q	, p= 8		ľ
	52				3408A59	BALL PLUNGER	McMASTER CARR	]			<b>20</b>	. E A S )11 -07- 2	n 🖳	Ĵ	ı
	53 54	1			HX-15	SOCKET HEAD CAP SCREW 4-20 UNC X 0.75 LG	HASKINS	1				M	/		ı
	54	'1			HX-16	SOCKET HEAD CAP SCREW \$ -20 UNC X 1.0 LG	HASKINS	j							ı
															1
В									l E l	"NONE" (A7-5); TAP D	AT'L TO SS (88-5); FINISH RILL FOR 1/4-20 UNF-2B \		мв	11.07.27	ı
											1-5). PER PAR11-113. 4 RENUMBERED SEE PRI	EV PEV			ł
ı										FOR DETAILS, ITEM 1	6 ADDED (VIEWS UPDATE	ED).	AJS	11.05.16	L
- 1							•		1 - 13	SHT 2 ZN D3 FLAG RE Ø0.12 HOLE DELETEI	LOCATED. SHT 3 ZONE	D3,	AJ3	11.05.16	ı
1											A8-2), ADD NEW FINISH	051/-053/	-+		ł
									c  -	-1/-3 (A8-3/-4/-5), ADD	<b>CALIBRATION (A8-2), (1)</b>		CP	10.01.26	
		•								WAS HX-15 (B3-1, C3-					╀
									E 1.	SHI 1 PL, IIEM 31 W/ AN960-416. ITEM 33 V	AS AN4-10A, ITEM 32 WAS VAS MS21042-4, ITEM 43 V	AIAO			١
- 1									5	0.75 LG. SHEETS 2 - 5	NOTES: FINISH FOR ALL		AJS	09.10.15	L
											YELLOW SPRAY PAINT.				1
ļ									REV.	NEW ISSUE	ESCRIPTION		AJS   BY	09.05.13 DATE	ł
								i	DESIGN	DSTOW/AJS	DART AER		_		ı
Α									DRAWN	5510117433	DAKT AEN HAWKESBURY				ı
									CHECKED	ASS.	DRAWING NO.	,,		REV. E	١
- 1									MFG. APP		D3943		SH	EET 1 OF 5	l
									APPROVE	o away	TITLE			SCALE	١
j									DE APPR.	N/A	GROSS WEIGHT TO				ı
									DATE		COPYRIGHT © 2009	BY DART AERO	OSPACE L	TD	1.

6

DE APPR. N/A
DATE 11.07.27

GROSS WEIGHT TOW CRANK ASSY NTS

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HIS DOCEMENT OF NIGHT SERVICE AND ARROWS AND ARR







